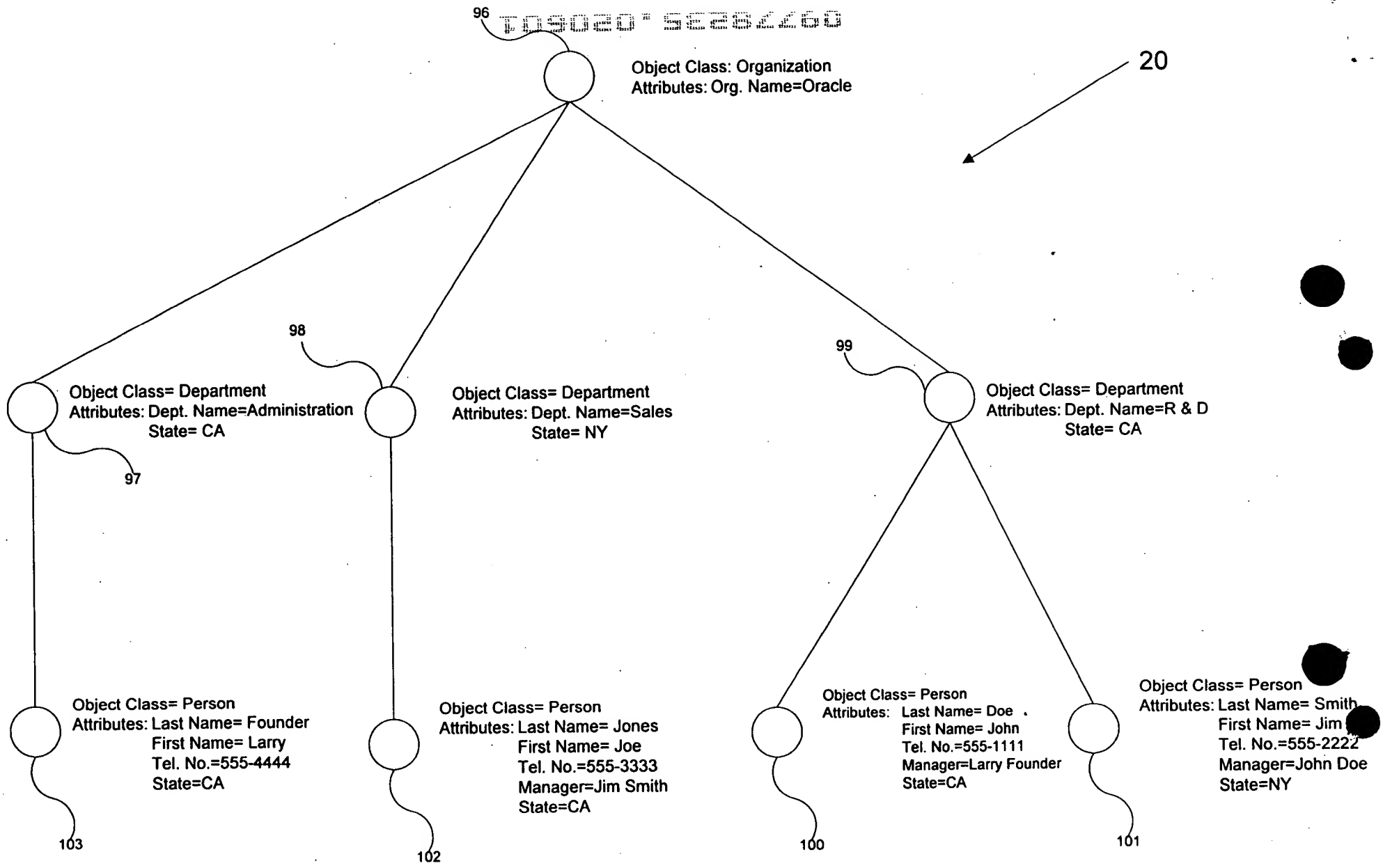

Fig. 1

Express Mail No.:
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Organization Class Table

Entry No.	Org. Name
96	Oracle

202

Fig. 2A

Department Class Table

Entry No.	Org. Name	State
97	Administrative	CA
98	Sales	NY
99	R & D	CA

204

Fig. 2B

Person Class Table

Entry No.	Last Name	First Name	Tel. No.	State	Manager
100	Doe	John	555-1111	CA	Larry Founder
101	Smith	Jim	555-2222	NY	John Doe
102	Jones	Joe	555-3333	CA	Jim Smith
103	Founder	Larry	555-4444	CA	

208

206

Fig. 2C

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Revised Person Class Table

Entry No.	Last Name	First Name	Tel. No.	Manager	State	Email Address
100	Doe	John	555-1111	Larry Founder	CA	jdoe
101	Smith	Jim	555-2222	John Doe	NY	
102	Jones	Joe	555-3333	Jim Smith	CA	
103	Founder	Larry	555-4444		CA	

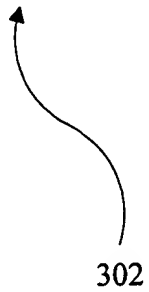

Fig. 3

Express Mail No.:
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December 7, 1998

Attribute Store Table

	EID	AttrName	AttrVal	AttrKind
	96	Org. Name	Oracle	User
	97	Dept. Name	Administration	User
	97	State	CA	User
	98	Dept. Name	Sales	User
	98	State	NY	User
	99	Dept. Name	R & D	User
416	99	State	CA	User
418	100	First name	John	User
420	100	Last name	Doe	User
422	100	Tel. No.	555-1111	User
423	100	Manager	Larry Founder	User
	100	State	CA	User
	101	First name	Jim	User
	101	Last name	Smith	User
	101	Tel. No.	555-2222	User
	101	Manager	John Doe	User
	101	State	NY	User
	102	First name	Joe	User
	102	Last name	Jones	User
	102	Tel. No.	555-3333	User
	102	Manager	Jim Smith	User
	102	State	CA	User
	103	First name	Larry	User
	103	Last name	Founder	User
	103	Tel. No.	555-4444	User
	103	State	CA	User
446	100	Modifiation Timestamp	01/01/97	Operational
	101	Modification Timestamp	07/01/97	Operational
	102	Modification Timestamp	07/30/98	Operational
	103	Modification Timestamp	01/01/98	Operational

400

Fig. 4

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Fig. 5

	EID	AttrName	AttrVal	AttrKind
	⋮	⋮	⋮	⋮
416	100	First name	John	User
418	100	Last name	Doe	User
420	100	Tel. No.	555-1111	User
422	100	Manager	Larry Founder	User
423	100	State	CA	User
446	100	Modification Timestamp	01/01/97	Operational
502	2	Attribute _Type	Name="First Name" Parameter=name syntax; only one first name;	User
504	2	Attribute _Type	Name="Last Name" Parameter=name syntax; only one first name;	User
506	2	Attribute _Type	Name="Tel. No." Parameter=telephone number syntax; can have up to two.	User
508	2	Attribute _Type	Name="Manager" Parameter=name syntax with first and last name; can have multiple managers.	User
509	2	Attribute_Type	Name="State" Parameter=State syntax; only one state	User
510	2	Attribute _Type	Name="Modification Timestamp" Parameter=date syntax; only one modification timestamp.	User
512	2	Object classes	Name="Person"; Mandatory Attr= "First Name", "Last Name", "Modification Timestamp"; Optional Attr= "Tel.No.", "Manager", "State"	User
514	100	Object class	Person	User
	⋮	⋮	⋮	⋮

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Last Name Catalog Table

EID	AttrValue
100	Doe
103	Founder
102	Jones
101	Smith

Fig. 6A

First Name Catalog Table

EID	AttrValue
101	Jim
100	Joe
102	John
103	Larry

Fig. 6B

Telephone Number Catalog Table

EID	AttrValue
100	5551111
101	5552222
102	5553333
103	5554444

Fig. 6C

Manager Catalog Table

EID	AttrValue
102	joe jones
101	john doe
100	larry founder

Fig. 6D

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State Catalog Table

EID	AttrValue
97	CA
98	NY
99	CA
100	CA
101	NY
102	CA
103	CA

Fig. 6E

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Distinguished Name Table

EID	RDN	ParentDN
96	Oracle	
97	Administration	Oracle
98	Sales	Oracle
99	R&D	Oracle
100	John Doe	Oracle.R&D
101	Jim Smith	Oracle.R&D
102	John Jones	Oracle.Sales
103	Larry Founder	Oracle.Administrative

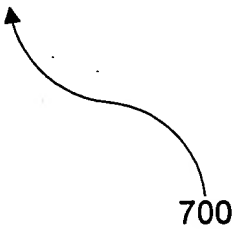

Fig. 7

Express Mail No.:
EM097385814US
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December 7, 1998

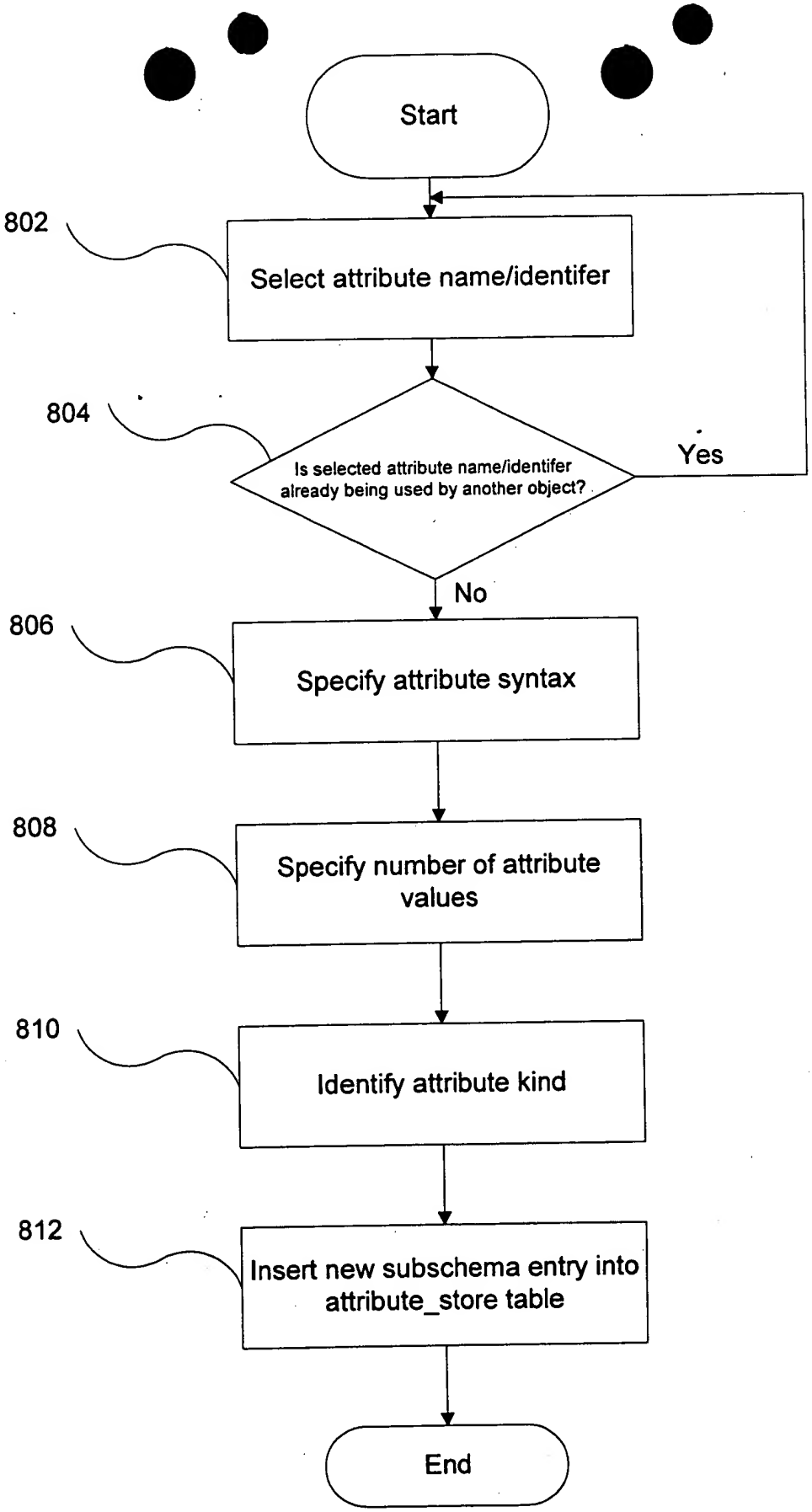

Fig. 8

Express Mail No.:
EM097385814US
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December 7, 1998

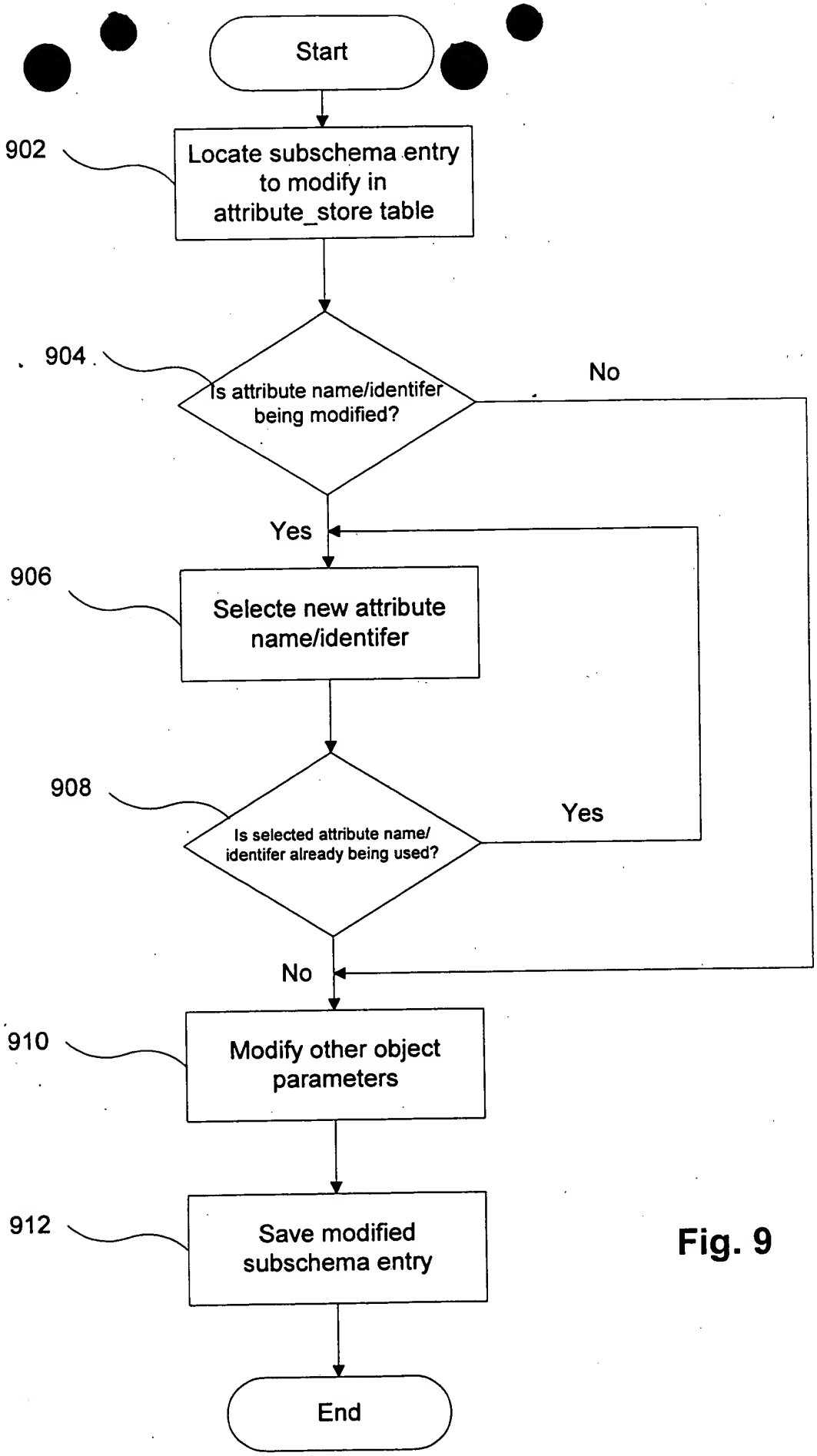


Fig. 9

Express Mail No.:
EM097385814US
Dkt. No.: 235/256
December 7, 1998

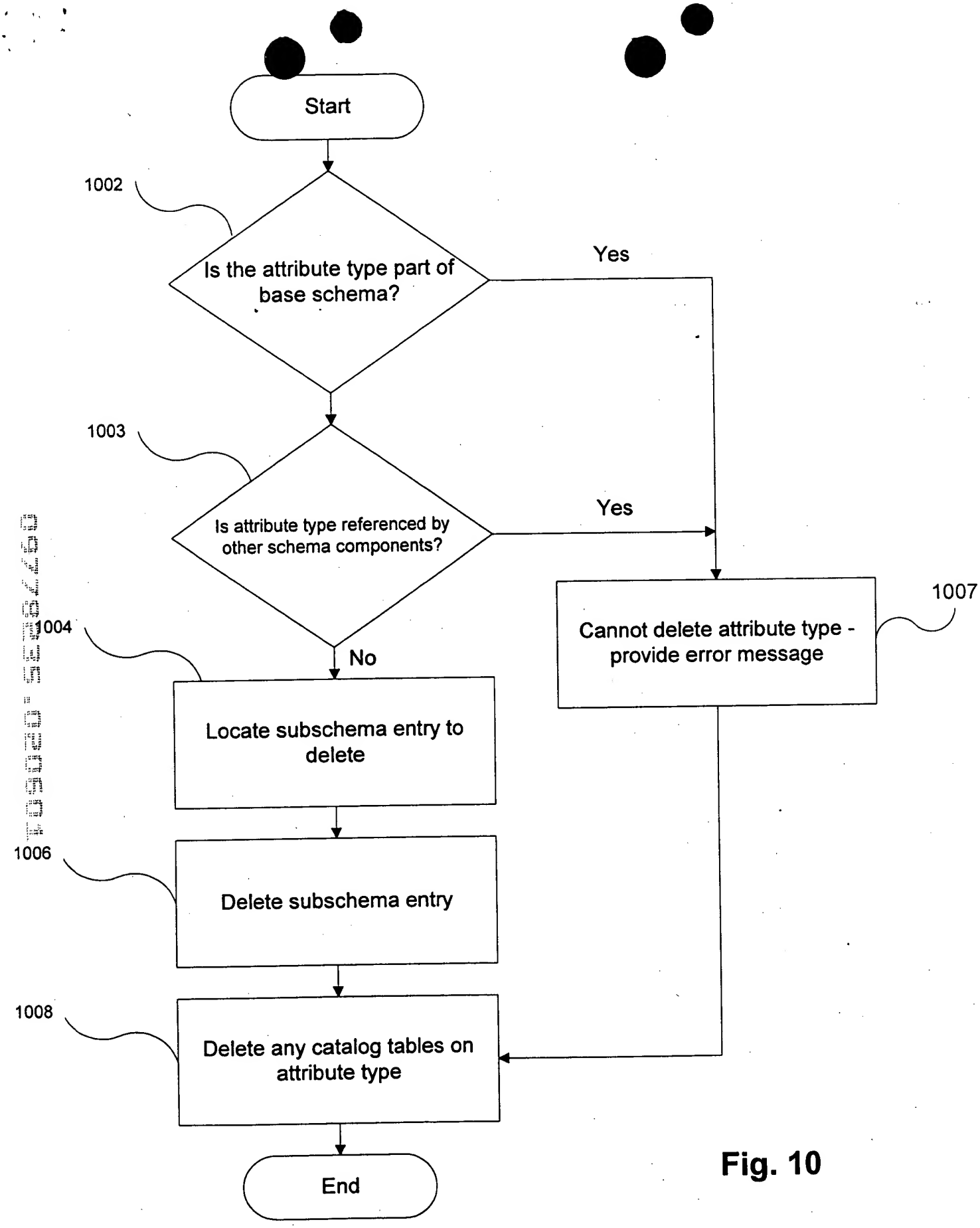


Fig. 10

Express Mail No.:
EM097385814US
Dkt. No.: 235/256
December 7, 1998

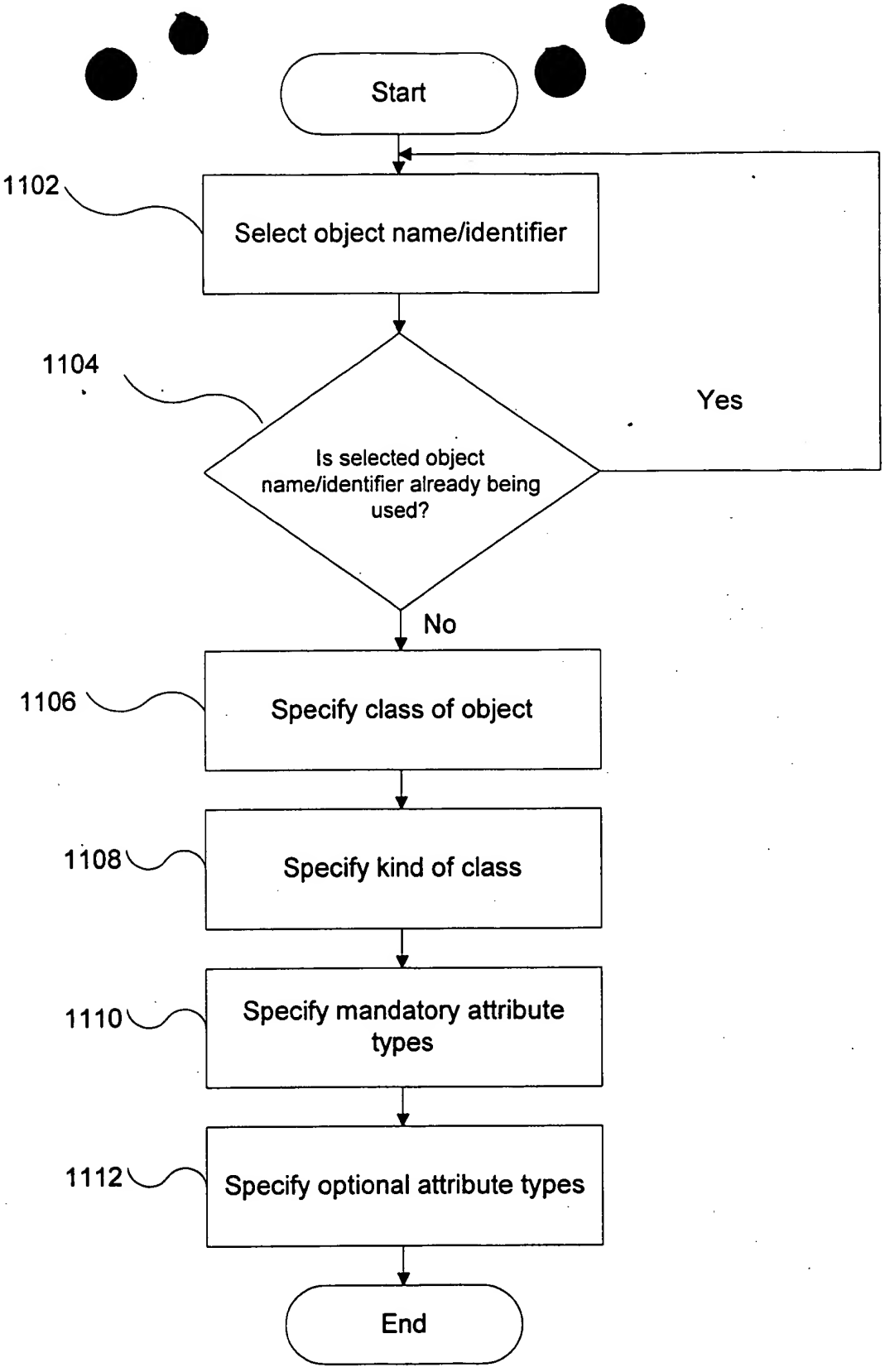


Fig. 11

Express Mail No.:
EM097385814US
Dkt. No.: 235/256
December 7, 1998

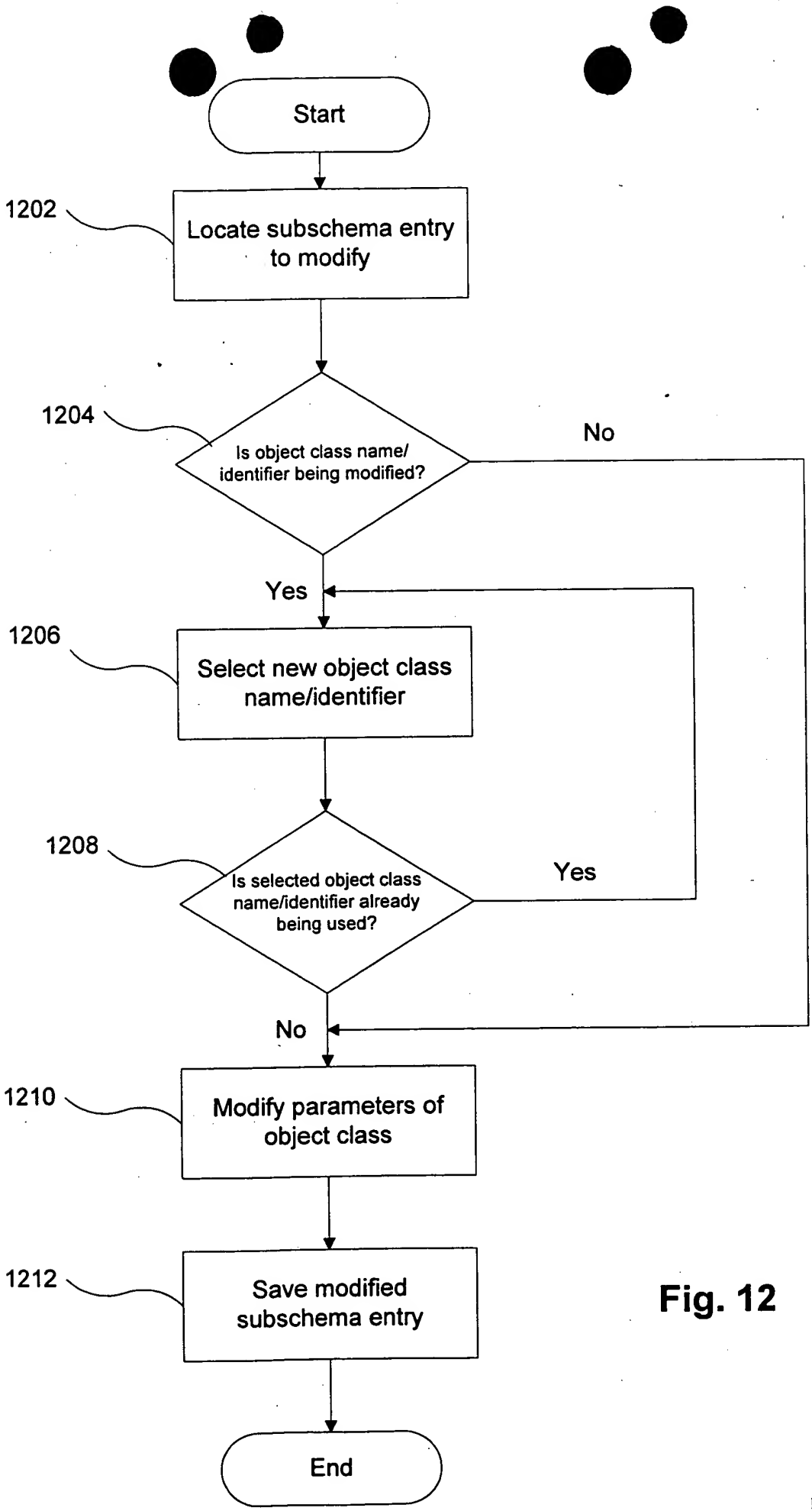


Fig. 12

Express Mail No.:
EM097385814US
Dkt. No.: 235/256
December 7, 1998

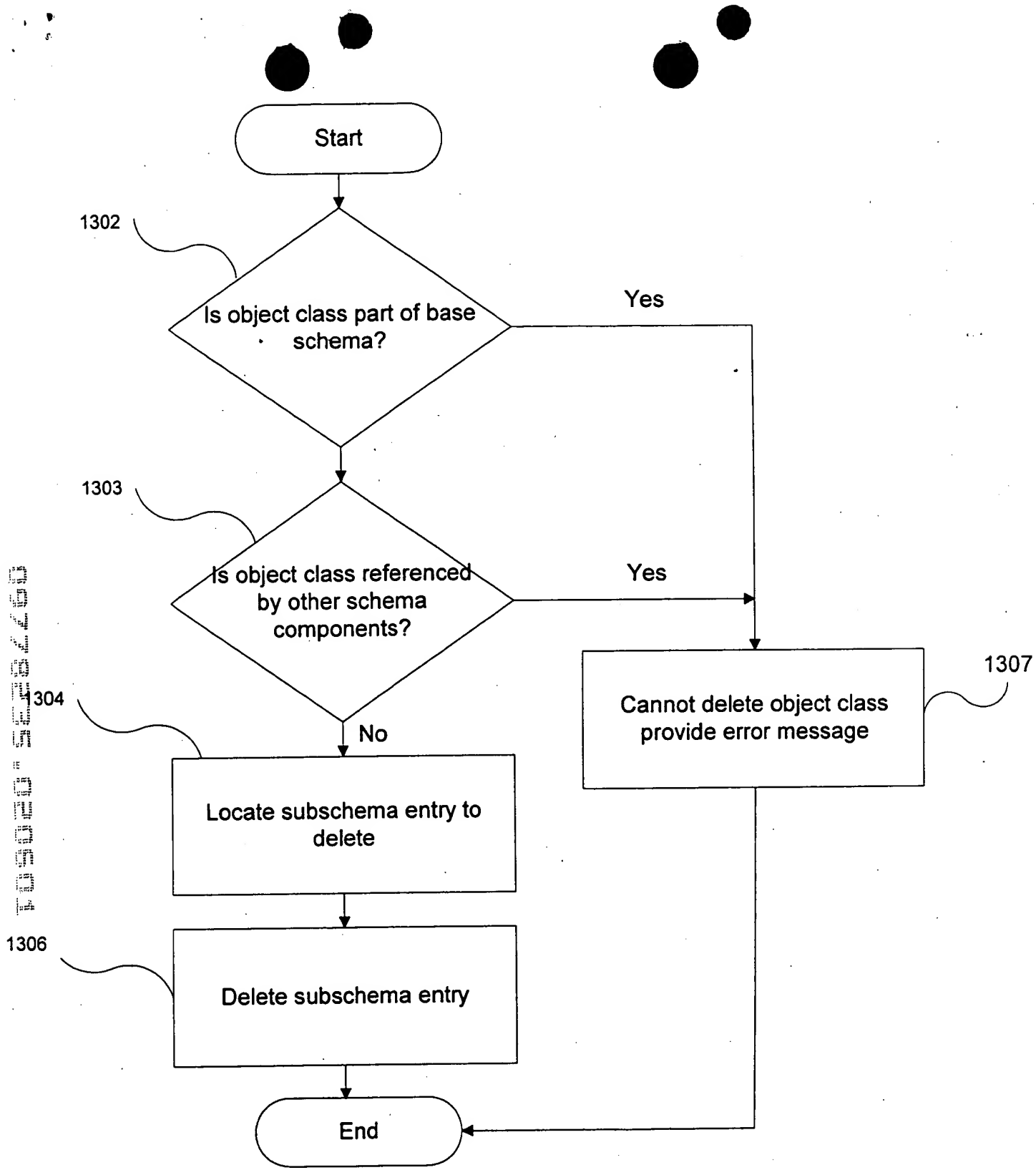
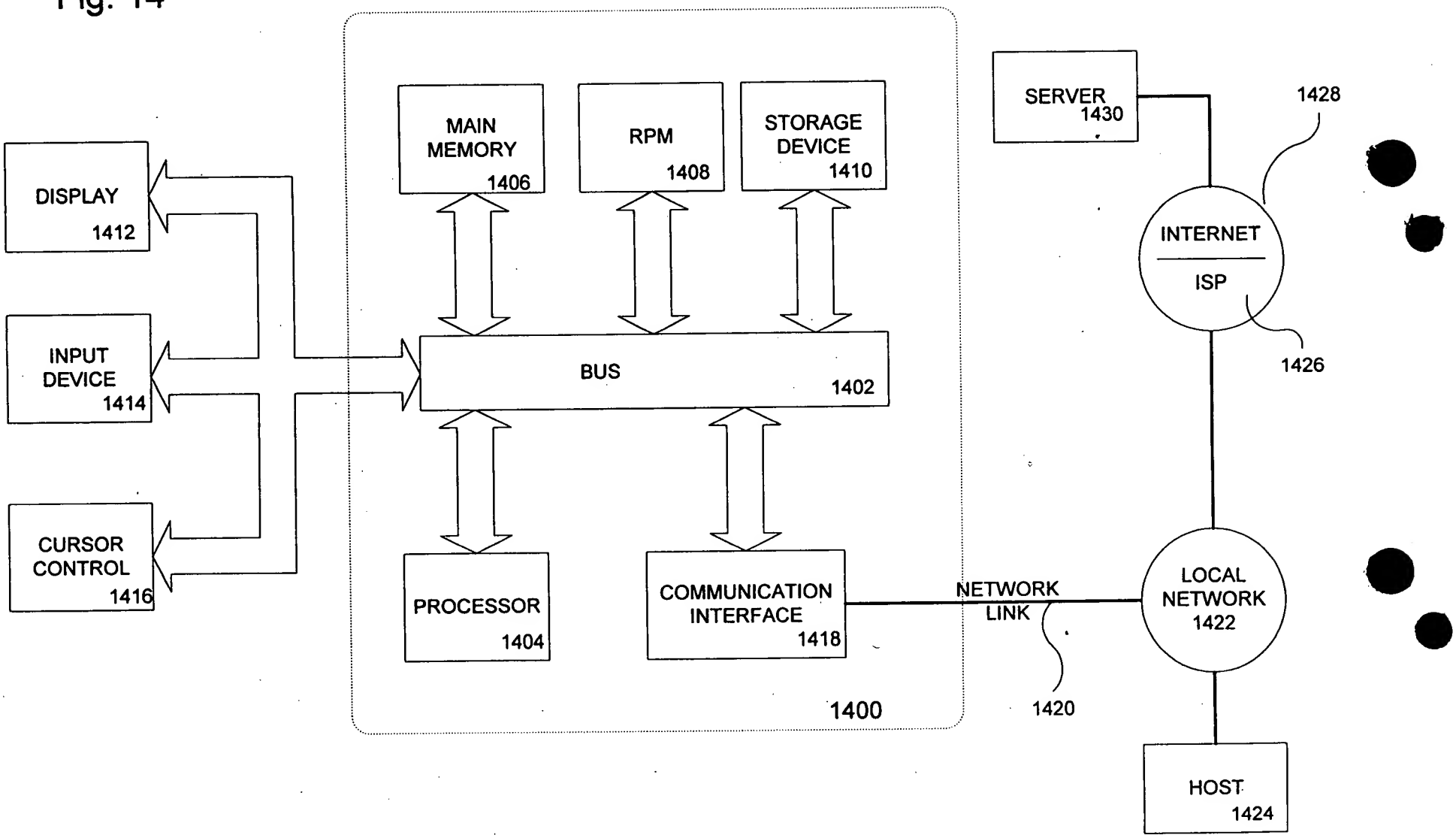

Start
1302
Is object class part of base schema?
Yes
1303
Is object class referenced by other schema components?
Yes
No
1304
Locate subschema entry to delete
1306
Delete subschema entry
1307
Cannot delete object class provide error message
End

Fig. 13

Fig. 14


MAIN MEMORY 1406
RPM 1408
STORAGE DEVICE 1410
DISPLAY 1412
INPUT DEVICE 1414
CURSOR CONTROL 1416
BUS 1402
PROCESSOR 1404
COMMUNICATION INTERFACE 1418
1400
SERVER 1430
1428
INTERNET
ISP
1426
NETWORK LINK
1420
LOCAL NETWORK 1422
HOST 1424